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Example of scan of the microtiter plate								4.47	4.88	5.08	<---Standard pH in column 3
Column 3											Standards
Column 2											Samples
Column 1											Standards
	H	G	F	E	D	C	B	A			
	5.16	5.48	5.67	6.00	6.21	6.49	6.65	6.86			<---Standard pH in column 1
Colour values from Column 2	-6 -18	-5 -19	-5 -18	-6 -15	-9 -8	-11 -3	-11 4	-11 9			a ⁸
	252	255	254	248	222	195	160	141			b ⁸
	6.76	6.89	6.86	6.65	6.16	5.74	5.16	4.62			Hue ⁹
	0.002%	0.005%	0.014%	0.041%	0.123%	0.370%	1.111%	3.333%			Sample pH
											Inoculation level

(57) Abstract: A new method and a system for the simultaneous determination of a biological, chemical and/or physical property of a plurality of individual samples of a turbid is described. The invention relates to a system and colorimetric method for simultaneous determination and measuring properties, such as acidification or pH value, redox potentials, viscosity, diffusion, enzymatic activity, etc. of a plurality of individual samples of a turbid or opaque medium, such as, e.g. milk, whey and related products. In particular, this invention relates to a method for non-invasively and/or non-destructively scanning samples or an array of samples, and determine on the basis of the scanning a specific property, such as pH, of the samples. The method may also be used for multivariate determinations of chemical and/or physical properties.

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